



8100 ECO-ENERGY 5W-30

FUEL
ECO

**Fuel Economy Gasoline and Diesel lubricant
Synthese-Technologie**

TYPE OF USE

Hochleistungsmotorenöl mit abgesenkter HTHS-Viskosität, ermöglicht reduzierten Kraftstoffverbrauch. Perfekt angepasst an die Anforderungen moderner Motorengenerationen mit Direkteinspritzung und Mehrventiltechnik. Besonders empfohlen für alle Pkw-Otto-Motoren inklusive BI-Fuel bzw. Autogas (LPG) und Dieselmotoren, mit oder ohne Aufladung.

PERFORMANCES

STANDARDS	ACEA A5 / B5 API SERVICE SL
APPROVALS	RENAULT RN0700 unter Nr.: RN700-10-69
PERFORMANCES	FORD WSS M2C 913 D, JAGUAR STJLR.03.5003

The ACEA A5/B5 performance requests from the lubricant a real fuel economy and low emission performance for powerful engines: MOTUL 8100 Eco-nergy 5W-30 has synthetic base stocks and specific friction modifier molecules that provide outstanding oil film resistance, reduce friction in the engine, maintain the oil pressure, and generally decrease operating temperatures. MOTUL 8100 Econergy 5W-30 provides outstanding lubricating properties such as wear protection and high temperature resistance for better controlled oil consumption along with up to 10% fuel economy during start up and short journeys around town (compare to a 15W-40 reference oil).

Environment friendly, this type of oil allows fuel consumption reduction and therefore minimizes greenhouse gases (CO₂) emissions.

Specially developed in order to meet the most recent technical requirements for FORD Gasoline and Diesel engines when a lubricant satisfying FORD WSS M2C 913 D is required. The FORD WSS M2C 913 D standard allows fully backward compatibility over previous FORD WSS M2C 913 A, 913 B and 913 C specifications. The JLR « 03.5003 » standard mirrors FORD WSS M2C 913 C specification and covers some of Gasoline and Diesel engines from JAGUAR and LAND ROVER range.

Combined to ACEA A5/B5 performance for lubricant, MOTUL 8100 Eco-nergy 5W-30 provides real energy conserving performance (up to 3% additional fuel economy) in order to meet FORD commitment for CO₂ reduction.

The 913D specification requires also an extra high oil film resistance for the lubricant to guarantee the viscosity capability over the whole oil drain interval. This characteristic is even more important in the current sustainability context and use of

We retain the right to modify the general characteristics of our products in order to offer to our customers the latest technical development. br>

Product specifications are definitive from the order which is subject to our general conditions of sale and warranty. Made in FRANCE

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bio fuels such as biodiesel. MOTUL 8100 Eco-nergy 5W-30 guarantees outstanding lubricating properties such as wear resistance when using biodiesel at a mix ratio of 7% (Biodiesel - B7).

Specification FORD WSS M2C 913D also includes higher soot handling capacity compare to 913C.

With its unique dispersant formulation MOTUL 8100 Eco-nergy 5W-30 avoids black sludge and viscosity increase that soot, coming from combustion residues, may create. Therefore, high temperature resistance and high oxidation resistance are ensured during the whole duration of the oil drain interval and your engine is fully protected.

RENAULT has developed RN0700 standard for oils able to endure the most severe thermal constrains along with modern after treatment systems compatibility.

The Renault RN0700 standard applies to all Naturally Aspirated Gasoline engines (except Renault Sport) of RENAULT Group (Renault, Dacia, Samsung).

The RN0700 specification applies also to all RENAULT Diesel cars fitted with 1.5L dCi engines without DPF (Diesel Particulate Filter) having less than 100 hp output and 20 000 km or 1-year oil drain interval.

RECOMMENDATIONS

Drain interval: according to manufacturer's recommendations and tune to your own use.

MOTUL 8100 Eco-nergy 5W-30 can be mixed with synthetic or mineral oils.

Before use always refer to the owner manual or handbook of the vehicle.

PROPERTIES

Grade de viscosité	SAE J 300	5W-30
Densité à 20°C	ASTM D1298	0.847
Viscosité à 40°C (104°F)	ASTM D445	57.6 mm ² /s
Viscosité à 100°C (212°F)	ASTM D445	10.1 mm ² /s
Viscosité HTHS à 150°C (302°F)	ASTM D4741	3.2 mPa.s
Indice de viscosité	ASTM D2270	163
Point éclair	ASTM D92	226 °C / 439 °F
Point d'écoulement	ASTM D97	-36.0 °C / -33.0 °F
Cendres sulfatées	ASTM D874	1.07 % masse

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TBN

ASTM D2896

10.2 mg KOH/g

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